

# COUNTS OF LARVAL PENAEID SHRIMP AND OCEANOGRAPHIC DATA FROM THE TORTUGAS SHELF, FLORIDA, 1962-64

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## ABSTRACT

This report presents a computer print-out of data gathered during investigations of the abundance and distribution of larvae of pink shrimp, Penaeus duorarum. Penaeid genera counted and staged include Penaeus, Trachypeneus, Sicyonia, Parapenaeus, and Penaeopsis. Routine oceanographic measurements are included.

## INTRODUCTION

The data presented in the following pages have formed the basis for analyses of the seasonal abundance, distribution, mortality, and ecology of larvae of the pink shrimp, Penaeus duorarum Burkenroad. Results of these analyses will be published later.

For this investigation, a grid-system of stations was established covering the Tortugas Shelf, including the major Tortugas shrimp fishing grounds (fig. 1). Ten stations were selected for regular sampling, in the area considered by Jones, Dimitriou, Ewald, and Tweedy (unpublished manuscript)<sup>1</sup> to be the center of spawning for pink shrimp. These stations are designated 50.100, 50.90, 50.80, 50.70, 40.90, 40.80, 40.70, 40.60, 32.70, and 30.58. The last two are slightly displaced from their theoretical coordinates because of shoal waters (fig. 1).

Sampling was conducted at the above 10 stations about twice each month from August 1962 to October 1964, and at 42 stations within the grid on a single cruise between October 2 and 6, 1964.

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<sup>1</sup>/Jones, Albert C., Dolores Dimitriou, Joseph J. Ewald, and John Tweedy. "Distribution of pink shrimp larvae (Penaeus duorarum Burkenroad) in waters of the Tortugas Shelf, Gulf of Mexico." Mimeo-graphed report, Institute of Marine Science, University of Miami, 105 p.

## EQUIPMENT AND METHODS

Throughout this study, sampling was from a 65-foot shrimp trawler with Gulf-V, monel-mesh plankton nets. The Gulf-V net has a mouth diameter of 40 cm., length of 100 cm., and mesh-aperture size of 0.292 mm. These nets were equipped with Tsurumi-Seiki-Kosakubne<sup>2/</sup> type flowmeters, which performed consistently throughout the study. All tows lasted 30 minutes and were of the "step-oblique" type--3-minute samples from each of 10 equally spaced levels between the bottom and surface. Towing speed was usually between 2 and 3 knots (3.6 and 5.4 km. per hour). Two tows were made at each station, but normally only one-half of one of the samples was examined for planktonic-stage penaeids.

Water samples for determinations of salinity were obtained with a Nansen bottle. Surface temperatures were measured with a bucket thermometer, and the temperature profile was determined with a bathythermograph. Meteorological observations were recorded by the WMO (World Meteorological Organization) code. Any data considered to be inaccurate have been omitted.

For computer programming, one master card and several larval-detail cards (one for each penaeid genus present) were punched for each tow. The master card listed physical data; each larval-detail card was coded to the master card and provided space for listing the number of each of the larval stages from nauplius to fifth postlarva.

Data cards have been designed to be integrated with any of the World Data Center systems and are available for further analysis by interested persons. The coding system of the data cards conforms with that suggested by the Conseil Permanent International pour l'Exploration de la Mer (1962).

## EXPLANATION OF DATA

The following sheets provide the physical and biological data pertaining to each observation. Each page is headed by the list of abbreviations identifying the physical data, followed by the physical data for the tow. This information is followed, in turn, by abbreviations identifying larval stages, and by as many as nine lines that give details of the number of each larval stage of each genus present in one-half of the sample. The genera present included: Penaeus (P. duorarum is the only Penaeus species known from the area--Eldred, 1959), Trachypeneus, Sicyonia, Parapenaeus, and Penaeopsis. In addition, three unidentifiable types of penaeid larvae were taken; they have been designated as species B, D, and E. Although the format is repeated for each tow, column headings are given at the top of the page only. Abbreviations used in the table for physical and biological data are given below.

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<sup>2/</sup>Trade names referred to in this publication do not imply endorsement of commercial products.

### Physical Data - Explanation of Column Headings

CRU	Cruise number. All cruises were made with the same vessel and are numbered consecutively through the year. CRU 201 was the first cruise of 1962. For brevity, only the last digit of the year is used.
STA	Station number. Stations are situated along a grid with lines numbered from east to west and south to north, and station numbers are the same as given in figure 1 except that the decimal point has been omitted. Also, 50.100 and 40.100 are written as 5100, 4100, etc., to conserve space.
TOW	Tow number.
SH	Ship. The initials of the vessel are used. MF is for MISS FLETA.
LAT	Latitude. North latitude of position in degrees and minutes.
LONG	Longitude. West longitude of position in degrees and minutes.
NW	Quadrant. The code '1' designates the NW quadrant for latitude and longitude.
MO	Month.
DA	Day.
YR	Year.
HR	Hour sample taken (Eastern Standard Time).
N	Net used. All tows in this study were made with a Gulf-V monel-mesh net (Code 9).
SSAL	Surface salinity in parts per thousand (two decimals).
STE	Surface temperature in degrees Celsius (one decimal).
WD	Wind direction measured in the WMO scale, i.e., 27 = 270 from north.
WS	Wind speed measured in knots (one decimal).
WDEP	Water depth measured in feet by calibrated fathometer (one decimal).

S Sampling method. Code '1' indicates a step-oblique tow with 10 steps from the WDEP to the surface.

FIMV Volume of water strained. The volume of water strained was measured by a flowmeter mounted in the mouth of the net. These flowmeters were calibrated regularly, both in and out of the net, and calibration charts were used to determine the volume of water (in cubic meters) strained by the net (one decimal).

BTE Bottom temperature in degrees Celsius (one decimal).

BSAL Bottom salinity in parts per thousand (two decimals).

BS Boat speed in knots as measured by a taffrail log (two decimals).

P The number of genera of penaeids found in that sample.

Biological Data - Explanation of Column Headings

CRU Cruises are numbered consecutively throughout the year. The first digit is the year, which is followed by the tow number.

G Genus of penaeid shrimp for which count is given.

Code 1	<u>Penaeus</u>
2	<u>Trachypeneus</u>
3	<u>Sicyonia</u>
4	<u>Parapenaeus</u>
5	<u>Penaeopsis</u>
6	Sp. B
7	Sp. D
8	Sp. E
9	Unidentified

E Eggs (presence indicated by '1', absence by '0').

NAUP Nauplii.

PRO1 First protozoae.

PRO2 Second protozoae.

PRO3 Third protozoae.

MYS1 First myses.

MYS2 Second myses.

MYS3 Third myses.

FOST1 First postlarvae - 1 dorsal rostral spine.

POST2      Second postlarvae - 2 dorsal rostral spines.  
POST3      Third postlarvae - 3 dorsal rostral spines.  
POST4      Fourth postlarvae - 4 dorsal rostral spines.  
POST5      Fifth postlarvae - 5 dorsal rostral spines. Genera other  
              than Penaeus have all postlarval stages combined.

(Note: Owing to the format of the data card, the last position on  
the right for each column (stage) is a decimal position and  
will be zero for all these printings of original data. The  
counts pertain to one-half of the sample obtained.)

#### LITERATURE CITED

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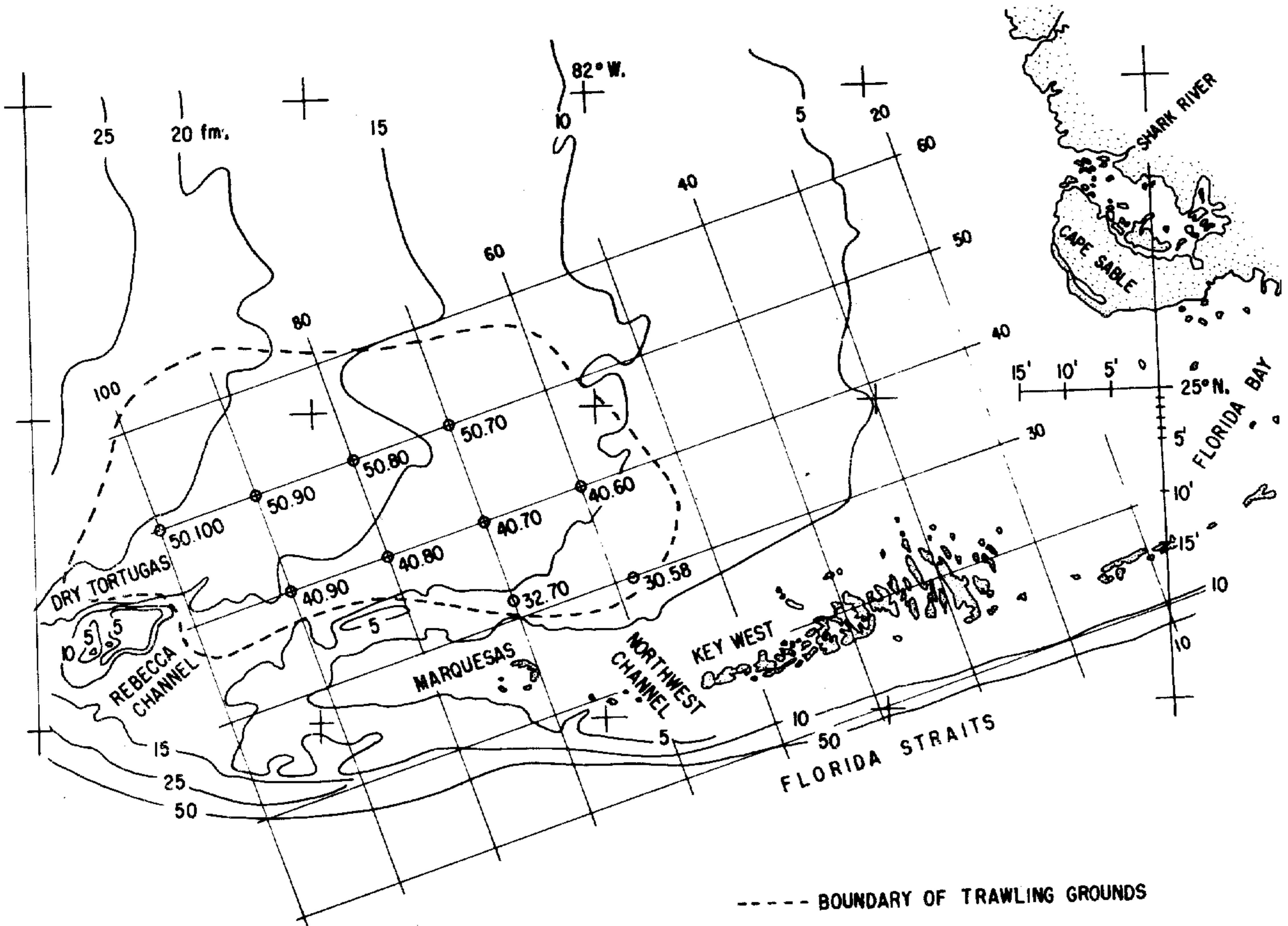


Figure 1.--Map of the Tortugas area showing regularly sampled stations (50.100, 50.90, 50.80, 50.70, 40.90, 40.80, 40.70, 40.60, 32.70, 30.58) and the sampling grid.

CRU	STA	TOW	SH	LAT	LONG	NW	MC	DA	YR	HR	N	SSAL	STE	WD	WS	WDEP	S	FLMV	BTE	BSAL	BS	P
202	5090	3057	MF	2453	8236	1	8	29	62	14	9	3505	305	10	02	1070	1	409	206	3634	3	
CRU		G E	NAUP	PRC1	PRC2	PRO3						MYS1	MYS2	MYS3		POST1	POST2	POST3	POST4	POST5		
202	3057	1			20									10								
202	3057	3			30																	
202	5080	3060	MF	2456	8225	1	8	29	62	17	9	3580	306	09	01	950	1	458	296	3626	6	
202	3060	1			460		50		20						10							
202	3060	2			40				10													
202	3060	3			80									10								
202	3060	6			10																	
202	3060	7												10								
202	3060	9			80																	
202	5070	3061	MF	2458	8215	1	8	29	62	19	9	3563	304	02	05	810	1	321	300	3618	6	
202	3061	1			310		170		160													
202	3061	2			690		380		200													
202	3061	3			190		260		180													
202	3061	6			140		30		10													
202	3061	7													10							
202	3061	9			70																	
202	3270	3064	MF	2441	8209	1	8	30	62	09	9	3545	305	09	08	510	1	583	305	3550	5	
202	3064	1			900		230		90													
202	3064	2			2470		1510		2460													
202	3064	3			60		70		180													
202	3064	7													2010							
202	3064	9			60																	
203	3058	3066	MF	2442	8156	1	9	11	62	11	9	3558	305	08	06	550	1	496	303	3560	6	
203	3066	1			180		280		230													
203	3066	2			130		740		1890													
203	3066	3			60		220		240													
203	3066	6			10										10							
203	3066	7													1640							
203	4060	3067	MF	2452	8201	1	9	11	62	13	9	3592	308	09	10	650	1	496	296	3594	6	
203	3067	1			830		860		260													
203	3067	2			340		880		1160													
203	3067	3			40		190		440													
203	3067	6			10		10		40													
203	3067	7													600							
203	3067	9			250																	
203	4070	3069	MF	2449	8212	1	9	11	62	15	9	3556	301	13	08	750	1	263	279	3625	5	
203	3069	1			250		440		430													
203	3069	2			30		150		460													
203	3069	3			50		360		190													
203	3069	7													380							
203	3069	9			80																	
203	4080	3071	MF	2446	8222	1	9	11	62	17	9	3545	302	06	09	780	1	232	249	3617	6	
203	3071	1			190		200		120													
203	3071	2			220		560		380													
203	3071	3			140		770		580													
203	3071	6													10							
203	3071	7													60							
203	3071	9			60																	

CRU	STA	TOW	SH	LAT	LONG	NW	MC	DA	YR	HR	N	SSAL	STE	WD	WS	WDEP	S	FLMV	BTE	BSAL	BS	P
203	4090	3074	MF	2443	8233	1	9	11	62	21	9	3569	302	09	11	920	1	356	241	3630	4	
CRU		G E	NAUP	PRC1	PRO2	PRO3											POST1	POST2	POST3	POST4	POST5	
203	3074	1			180		140		10													
203	3074	2			30		60		20				</									

CRU	STA	TOW	SH	LAT	LONG	NW	MO	DA	YR	HR	N	SSAL	STE	WD	WS	WDEP	S	FLMV	BTE	BSAL	BS	P
CRU			G E	NAUP	MF	2446	8222	1	9 25	62 17	9	3528	296	07	07	730	1	570	290	3526	6	POST5
204	3091	1				330			170	90	70	70	90			30		10	10			
204	3091	2				280			260	490	280	90	90									
204	3091	3				190			330	200	260	180	270			10						
204	3091	4							10		20	20	50									
204	3091	7									340											
204	3091	9				300																
204	4080	3092	MF	2446	8222	1	9 25	62 17	9	3528	296	07	07	730	1	489	290	3526	6			
204	3092	1				280			170	30	20	20	40			10						
204	3092	2				450			310	330	100	50	70									
204	3092	3				280			190	220	140	120	180									
204	3092	6							10	10	10	10	40									
204	3092	7									80											
204	3092	9				310																
204	4090	3094	MF	2443	8233	1	9 25	62 21	9	3492	293	03	09	880	1	367	290	3547	6			
204	3094	1				1200			340	20	110		10									
204	3094	2				1400			120	20		10										
204	3094	3				1290			460	540	430	140	70									
204	3094	6								10	10											
204	3094	7									10											
204	3094	9				1050																
204	5100	3097	MF	2450	8246	1	9 26	62 11	9	3531	291	06	07	1200	1	360	264	3607	5			
204	3097	1				260																
204	3097	2				50			10													
204	3097	3				270			70	10												
204	3097	6							10													
204	3097	9				30																
204	5090	3098	MF	2453	8236	1	9 26	62 13	9	3513	299	04	06	1070	1	684	283	3565	5			
204	3098	1				1320			180	40												
204	3098	2				820			420	30												
204	3098	3				1270			1860	520	130		20									
204	3098	6							10													
204	3098	9				540																
204	5080	31C1	MF	2456	8225	1	9 26	62 17	9	3526	299	31	02	960	1	536	290	3559	6			
204	31C1	1				610			270	70												
204	31C1	2				490			380	160	50	40	20									
204	31C1	3				690			660	60	70	40	60									
204	31C1	7								140												
204	31C1	6							10	20												
204	31C1	9				860																
204	5070	31C2	MF	2458	8215	1	9 26	62 19	9	3521	293	25	05	820	1	459	290	3540	6			
204	31C2	1				100			80	20	10	10	40			10						
204	31C2	2				650			780	100	80	60	50									
204	31C2	3				280			450	200	70	30	50			30						
204	31C2	7								330												
204	31C2	6							10				10									
204	31C2	9				550																
204	3270	3105	MF	2441	8209	1	9 26	62 23	9	3531	290	18	02	550	1	323	290	3530	5			
204	3105	1				630			120	80	50		10									
204	3105	2				620			2650	500	20	20	90									
204	3105	3				270			450	420	520	30	50			300						
204	3105	7								70												
204	3105	9				140																
CRU	STA	TOW	SH	LAT	LONG	NW	MO	DA	YR	HR	N	SSAL	STE	WD	WS	WDEP	S	FLMV	BTE	BSAL	BS	P
CRU			G E	NAUP	MF	2449	8212	1	9 27	62 08	9	3557	293	99	01	780	1	471	290	3555	6	POST5
204	3106	1				270																



CRU	STA	TOW	SH	LAT	LONG	NW	PC	DA	YR	HR	N	SSAL	STE	WD	WS	WDEP	S	FLMV	BTE	BSAL	BS	P
204	4070	3116	MF	2449	8212	1	9	28	62	04	9	3552	290	23	10	780	1	478	290	3558	6	
CRU		G E	NAUP	PRO1	PRO2	PRO3						MYS1	MYS2			MYS3	POST1	POST2	POST3	POST4	POST5	
204	3116	1			280		120		60				20		20		10		40		30	
204	3116	2			150		260		150			320	230		390		70					
204	3116	3			260		220		50			100	100		100		70					
204	3116	6			10																	
204	3116	7										100										
204	3116	9			150																	
204	4070	3117	MF	2449	8212	1	9	28	62	05	9	3552	290	23	10	780	1	329	290	3558	6	
204	3117	1			280		120		90			10		10		10		40		20		
204	3117	2			120		300		160			40	120		100		50					
204	3117	3			370		400		220			60	70		100		20					
204	3117	6			10										10							
204	3117	7										70										
204	3117	9			120																	
205	3058	3118	MF	2442	8156	1	10	09	62	12	9	3538	301	32	08	380	1	896	298	3536	5	
205	3118	1			10		50		90			20				30	130		120	90	10	
205	3118	2			80		660		260			110		80		270						
205	3118	3			20		100		80			30		10								
205	3118	6										10				20						
205	3118	9			230																	
205	4060	3120	MF	2452	8201	1	10	09	62	15	9	3574	300	32	09	640	1	621	298	3575	6	
205	3120	1			30		10		20			10				20	20		30			
205	3120	2			560		660		140			110		150		200						
205	3120	3			40		90		10			70		30		40						
205	3120	9			40																	
205	3120	7										100										
205	3120	6										10										
205	3122	1			10		10		10													
205	3122	2			320		630		250			30		20		30	30		30	30	10	
205	3122	3			300		510		300			160		160		190						
205	3122	9			230		440		160			110		70		130						
205	3122	7			240																	
205	3124	1			70		40		10			10		20		20						
205	3124	2			150		40		20			10		20		20						
205	3124	3			80		70		50			20		20		20						
205	3124	7										10										
205	3124	9			180																	
205	4080	3125	MF	2446	8222	1	10	09	62	20	9	3533	296	34	10	820	1	448	295	3533	5	
205	3125	1			10																	
205	3125	2			100																	
205	3125	3			160		40		10			10		10		20						
205	3125	7			120		80		70			30		10		10						
205	3125	9			150																	
205	4090	3126	MF	2443	8233	1	10	09	62	23	9		295	35	09	930	1	359	282	3589	5	
205	3126	1			410		200		80													
205	3126	2			770		580		170			10		00		10						
205	3126	3			770		280		210			50		20		10						
205	3126	9			310																	
205	3126	7			20		20		10													

CRU	STA	TOW	SH	LAT	LONG	NW	PC	CA	YR	HR	N	SSAL	STE	WD	WS	WDEP	S	FLMV	BTE	BSAL	BS	P
205	5100	3129	MF	2450	8246	1	10	10	62	11	9	3521	295	01	14	1200	1	834	255	3610	5	
CRU		G E	NALP	PRC1	PRC2	PRC3						MYS1	MYS2			MYS3	POST1	POST2	POST3	POST4	POST5	
205	3129																					



CRU	STA	TOW	SH	LAT	LONG	NW	MC	DA	YR	HR	N	SSAL	STE	WD	WS	WDEP	S	FLMV	BTE	BSAL	BS	P	
207	5070	3173	MF	2458	8215	1	12	05	62	18	9	3624	22	12	820	1	184	3633			6		
CRU		G	E	NAUP	PRC1		PRC2		PRO3		MYS1		MYS2		MYS3		POST1		POST2		POST3	POST4	POST5
207	3173	1			210			20		10													
207	3173	2			420			440		90		10											
207	3173	3			20			10															
207	3173	9		270																			
207	3173	6			20																		
207	3173	7										90											
207	3270	3175	MF	2441	8209	1	12	05	62	22	9	3635	228	31	19	540	1	462	226	3635		4	
207	3175	1			60			10															
207	3175	2			10			10		20													
207	3175	3			10			10															
207	3175	9		10																			
301	3058	3178	MF	2442	8156	1	1	09	63	13	9	3577	188	08	12	400	1	1450	186	3561		1	
301	3178	1																					
301	4060	3180	MF	2452	8201	1	1	09	63	15	9	3577	191	09	12	660	1	996	189	3575		1	
301	3180	2																					
301	4070	3181	MF	2449	8212	1	1	09	63	17	9	3640	198	09	15	800	1	629	197	3640		5	
301	3181	1			10			10		10													
301	3181	2			30			40		70		140		90		20							
301	3181	3			10			10		20		10		20		20							
301	3181	9		30																			
301	3181	7										130											
301	4080	3183	MF	2446	8222	1	1	09	63	19	9	3655	214	09	14	800	1	1012	212	3651		5	
301	3183	1			10							10											
301	3183	2										40		10									
301	3183	3										10											
301	3183	9		50																			
301	3183	7										10											
301	4080	3184	MF	2446	8222	1	1	09	63	20	9	3655	214	09	14	800	1	1342	212	3651		3	
301	3184	2																					
301	3184	3																					
301	3184	9		10								10											
301	4090	3185	MF	2443	8233	1	1	09	63	22	9	3642	212	09	16	920	1	1359	212	3640		3	
301	3185	1																					
301	3185	3																					
301	3185	6										20											
301	3185	7																					

CRU	STA	TOW	SH	LAT	LONG	NW	MC	DA	YR	HR	N	SSAL	STE	WD	WS	WDEP	S	FLMV	BTE	BSAL	BS	P	
301	5100	3187	MF	2450	8246	1	1	10	63	10	9	3638	211	09	18	1210	1	596	210	3637		1	
CRU		G	E	NAUP	PRO1		PRC2		PRO3		MYS1		MYS2		MYS3		POST1		POST2		POST3	POST4	POST5
301	3187	1																					
301	5090	3189	MF	2453	8236	1	1	10	63	13	9	3647	216	09	17	1080	1	732	213	3649		3	
301	3189	1			10			10		10													
301	3189	2			110			10		10													
301	3189	9		60																			
301	5080	3191	MF	2456	8225	1	1	10	63	16	9	3649	212	09	14	980	1	384	208	3647		6	
301	3191	1		350								80		40									
301	3191	2		1620								1210		410		90							
301	3191	3		220								170		20		10							
301	3191	6																					
301	3191	7										300											
301	3191	9		260																			
301	5070	3194	MF	2458	8215	1	1	10	63	19	9	3608	193	11	12	840							



CRU	STA	TOW	SH	LAT	LONG	NW	MC	DA	YR	HR	N	SSAL	STE	WD	HS	WDEP	S	FLMV	BTE	BSAL	BS	P
304	5080	3242	MF	2456	8225	i	3	27	63	15	9	3622	239	99	01	960	1	922	204	3622	2	
CRU		G	E	NALP	PRCL		PRC2		PRO3		MYS1	MYS2		MYS3		POST1	POST2	POST3	POST4	POST5		
304	3242	3			10																	
304	3242	6																				
304	5070	3244	MF	2458	8215	1	3	27	63	17	9	3616	236	02	07	810	1	580	212	3622		
304	3244	9		20																		
304	3270	3247	MF	2441	8209	1	3	27	63	22	9	3596	224	04	07	530	1	935	223	3593	1	
304	3247	2																				
304	3247	3																				2
305	3058	3248	MF	2442	8156	1	04	08	63	11	9	3611	241	14	04	400	1	958	238	3607		
305	3248	1			30																	
305	3248	2			150		270	340				250	120		10							4
305	3248	3																				
305	3248	7																				
305	4060	3251	MF	2452	8201	1	4	08	63	14	9	3619	251	18	01	650	1	465	232	3619		
305	3251	1			40																	
305	3251	2			60																	5
305	3251	3			30																	
305	3251	6																				
305	3251	9		20																		
305	4070	3252	MF	2449	8212	1	4	08	63	16	9	3625	250	26	02	760	1	358	214	3624		
305	3252	1			200																	
305	3252	3																				4
305	3252	6																				
305	3252	9		30																		
305	4080	3255	MF	2446	8222	1	4	08	63	19	9	3626	235	99	01	800	1	490	201	3625		
305	3255	1			10																	
305	3255	9		20																		2
305	4090	3257	MF	2443	8233	1	4	08	63	22	9	3628	224			880	1	672	192	3626		0





CRU	STA	TOW	SH	LAT	LONG	NW	MC	DA	YR	HR	N	SSAL	STE	WD	WS	WDEP	S	FLMV	BTE	BSAL	BS	P
307	9050	3319	MF	2543	8206	1	05	23	63	12	9	3613	280	99	01	650	1	904	229	3605	1	
CRU		G	E	NAUP	PR01		PRC2		PRO3		MYS1	MYS2	MYS3		POST1	POST2	POST3	POST4	POST5			
307	3319	3										80										
307	9040	3320	MF	2545	8155	1	05	23	63	15	9	3613	279	99	01	440	1	441	262	3612		4
307	3320	1			20		10		10													
307	3320	2			30		50		50			10										
307	3320	3			10		20		40													
307	3320	6																				
307	9030	3323	MF	2548	8145	1	05	23	63	18	9	3587	296			250	1	655	296			
307	3325	MF	2540	8139	1	05	23	63	21	9	3571	287	99	01	200	1	233	287			0	
308	3058	3326	MF	2442	8156	1	C6	C4	63	12	9	3627	270	13	08	390	1	927	253	3627		0
308	3326	1			60		110		210			70		10		20		20	180	70	20	10
308	3326	2			10		120		420			1450	840		1080							
308	3326	3					20		70			10		30		10						
308	3326	7										800										
308	3326	9			20																	
308	4060	3329	MF	2452	8201	1	06	04	63	15	9	3637	276	18	10	630	1	954	239	3618		6
308	3329	1			20								10		80		40					
308	3329	2										30		110		80						
308	3329	3														30						
308	3329	6														30						
308	3329	7														20						
308	3329	9			60																	
308	4070	3331	MF	2449	8212	1	06	04	63	17	9	3640	276	22	08	770	1	792	223	3612		4
308	3331	1			10											10						
308	3331	2												10		40						
308	3331	3														10						
308	3331	4																				
308	4080	3333	MF	2446	8222	1	06	04	63	20	9	3630	283		01	800	1	1252	220	3634		4
308	3333	1			20											30		30		20		
308	3333	2			10											30						
308	3333	3																				
308	3333	9			50											10		10				

CRU	STA	TOW	SH	LAT	LONG	NW	MC	DA	YR	HR	N	SSAL	STE	WD	WS	WDEP	S	FLMV	BTE	BSAL	BS	P
308	4090	3334	MF	2443	8233	1	06	04	63	22	9	3626	288		01	900	1	992	228	3638	6	
CRU		G	E	NAUP	PR01		PRC2		PRO3		MYS1	MYS2	MYS3		POST1	POST2	POST3	POST4	POST5			
308	3334	1																				
308	3334	2			30		10		10		10											
308	3334	3			10		10		20		10						30					
308	3334	6										10										
308	3334	7										10					10					
308	3334	9	1																			
308	5100	3337	MF	2450	8246	1	06	04	63	09	9	3650	282	16	07	1200	1	867	223	3645		4
308	3337	1			40																	
308	3337	3			60		20		10													
308	3337	6			10												10		20			
308	3337	9			80																	
308	5090	3339	MF	2453	8236	1	06	05	63	12	9	3642	292	13	09	1040	1	687	227	3647		2
308	3339	3			30		10															
308	3339	6			10																	
308	5080	3341	MF	2456	8225	1	06	05	63	14	9	3643	296	22	06	950	1	933	211	3622		3
308	3341	2															10					
308	3341	3															10					
308	5070	3342	MF	2458	8215	1	06	05	63	16	9	3623	295	22	11	800	1	795	215	3608		5
308	3342	1			30		20															
308	3342	2			20																	
308	3342	3																				
308	3342	6															10					
308	3342	9			40												10					

CRU	STA	TOW	SH	LAT	LONG	NW	MC	DA	YR	HR	N	SSAL	STE	WD	WS	WDEP	S	FLMV	BTE	BSAL	BS	P
309	4070	3349	MF	2449	8212	1	06	18	63	17	9	3642	302	05	7	0750	1	0882	224	3610	6	POST5
CRU		G	E	NALP	PRC1		PRO2		PRO3			MYS1	MYS2	MYS3	POST1	POST2	POST3	POST4	POST5			
309	3349	1			180		40		20								40					
309	3349	2			160		30				20					10						
309	3349	3			130		70		10		10					10						
309	3349	7									10											
309	3349	9			150																	
309	3349	6			10											10						
309	4080	3351	MF	2446	8222	1	06	18	63	20	9	3635	291	10	08	770	1	669	237	3636	4	
309	3351	1			280		150		60		40		10		30	20		10				
309	3351	2			280		50		40		20		10		10			10				
309	3351	3			110		150		50		60		60		80			10				
309	3351	9			130																	
309	4090	3354	MF	2443	8233	1	06	19	63	10	9	3613	290	10	15	920	1	550	244	3644	5	
309	3354	1			240		60		10													
309	3354	2			90		30		20													
309	3354	3			260		210		70		60		30		40							
309	3354	6							10													
309	3354	9			190																	
309	5100	3356	MF	2450	8246	1	06	19	63	14	9	3650	292	13	08	1230	1	523	230	3648	4	
309	3356	1			140		30		20													
309	3356	2			270		100		30													
309	3356	3			120		160		50													
309	3356	9			150																	
309	5090	3358	MF	2453	8236	1	06	19	63	17	9	3653	294	10	08	1070	1	631	232	3642	5	
309	3358	1			20		110		40		10											
309	3358	2					40															
309	3358	3			100		130		60													
309	3358	6							10													
309	3358	9			10																	
309	5080	3360	MF	2456	8225	1	06	19	63	19	9	3650	291	10	14	950	1	611	225	3632	3	
309	3360	1			30		50		30		10					20						
309	3360	3			20		40		30							20						
309	3360	6							10							30						
309	5070	3362	MF	2458	8215	1	06	19	63	22	9	3638	294	10	08	820	1	228	221	3610	2	
309	3362	1							30		40					40						
309	3362	9			10																	
309	6070	3364	MF	2508	8218	1	06	20	63	10	9	3640	292	12	18	960	1	1255	225	3622	3	
309	3364	1			50		20									10						
309	3364	3			10		30									10						
309	3364	6			10																	

CRU	STA	TOW	SH	LAT	LONG	NW	MC	DA	YR	HR	N	SSAL	STE	WD	WS	WDEP	S	FLMV	BTE	BSAL	BS	P
309	7070	3366	MF	2518	8221	1	06	20	63	13	9	3636	291	12	14	910	1	374	229	3628	4	POST5
CRU		G	E	NALP	PRC1		PRC2		PRO3			MYS1	MYS2	MYS3	POST1	POST2	POST3	POST4	POST5			
309	3366	1			20																	
309	3366	3									10											
309	3366	6			10						20					10						
309	3366	9			10																	
309	8070	3368	MF	2527	8224	1	06	20	63	16	9	3662	290	15	16	950	1	395	218	3615	4	
309	3368	1			10																	
309	3368	3			10																	
309	3368	6			30						10											
309	3368	9			10																	
309	9070	3370	MF	2537	8227	1	06	20	63	18	9	3649	288	14	07	970	1	580	225	3634	1	
309	3370	3									10					10						
309	9060	3372	MF	2540	8216	1	06	20	63	21	9	3645	293	13	11	800	1	634	225	3605	2	
309	3372	1									10					10						
309	3372	2															10					
309	3375	MF	2540	8139	1	06	21	63	17	9	3672	304		10	200	1	537			3		
309	3375	2			960		920		960		100	</td										

CRU	STA	TOW	SH	LAT	LONG	NW	MC	DA	YR	HR	N	SSAL	STE	WC	WS	WDEP	S	FLMV	BTE	BSAL	BS	P
310	4060	3382	MF	2452	8201	1	07	C1	63	14	9	3662	296	OB	08	650	1	487	245	3616	5	
CRU		G	E	NAUP	PRC1		PRC2		PRO3			MYS1	MYS2	MYS3		POST1	POST2	POST3	POST4	POST5		
310	3382	1			70		70		100													
310	3382	2			30		50		50		20		10		10							
310	3382	3			10						10											
310	3382	7									40											
310	3382	9			70																	
310	4070	3383	MF	2449	8212	1	07	C1	63	16	9	3655	300	09	07	770	1	361	242	3627	5	
310	3383	1			440		50		20		10		20		10							
310	3383	2			750		270		280													
310	3383	3			360		330		90		10		10		10							
310	3383	7									10											
310	3383	9			310																	
310	4070	3384	MF	2449	8212	1	07	C1	63	16	9	3655	300	09	07	770	1	444	242	3627	5	
310	3384	1			320		30															
310	3384	2			350		330		280													
310	3384	3			290		230		40													
310	3384	7									10											
310	3384	9			190																	
310	4080	3385	MF	2446	8222	1	07	01	63	19	9	3651	292	17	05	780	1	371	262	3647	6	
310	3385	1			180		190		40													
310	3385	2			1920		1570		1340		160		80		80							
310	3385	3			750		730		690		150		80		10							
310	3385	6			10		10															
310	3385	7									350											
310	3385	9			430																	
310	4080	3386	MF	2446	8222	1	07	01	63	19	9	3651	292	17	05	780	1	361	262	3647	5	
310	3386	1			150		80		60													
310	3386	2			660		970		1170		80		130		90							
310	3386	3			330		350		460		180		80		50							
310	3386	7									220											
310	3386	9			300																	
310	4090	3387	MF	2443	8233	1	07	C1	63	22	9	3653	292	05	02	900	1	710	250	3642	5	
310	3387	1			670		260		50													
310	3387	2			610		440		250		70		20		40							
310	3387	3			490		330		80		20		40		40							
310	3387	7									40											
310	3387	9			400																	
310	4090	3388	MF	2443	8233	1	07	C1	63	22	9	3653	292	05	02	900	1	633	250	3642	5	
310	3388	1			670		410		30													
310	3388	2			440		410		160		70		50		30							
310	3388	3			380		160		90		30		70		120							
310	3388	7									10											
310	3388	9			300																	
310	5100	3389	MF	2450	8246	1	07	C1	63	09	9	3664	292	09	08	1240	1	533	231	3643	4	
310	3389	1			160		20		10		20		10		10							
310	3389	2			10						10											
310	3389	3			100		60		30		30		30		30							
310	3389	9			50																	

CRU	STA	TOW	SH	LAT	LONG	NW	MC	DA	YR	HR	N	SSAL	STE	WC	WS	WDEP	S	FLMV	BTE	BSAL	BS	P
310	5100	3390	MF	2450	8246	1	07	C1	63	10	9	3664	292	09	08	1240	1	551	231	3643	4	
CRU		G	E	NAUP	PRC1		PRC2		PRO3			MYS1	MYS2	MYS3		POST1	POST2	POST3	POST4	POST5		
310	3390	1			90		40		10													
310	3390	2																				
310	3390	3			130		40		20		20		10		20							
310	3390	9			20																	
310	5090	3391	MF	2453	8236	1	07	02	63	12	9	3667	292	08	10	1070	1	975	234	3641	4	
310	3391	1			170		30		20		10											
310	3391	2			20						10											
310	3391	3																				

CRU	STA	TOW	SH	LAT	LONG	NW	MC	DA	YR	HR	N	SSAL	STE	WD	WS	WDEP	S	FLMV	BTE	BSAL	BS	P
310	3270	3398	MF	2441	82C9	1	07	C2	63	21	9	3608	289	13	06	570	1	537	265		6	
CRU		G	E	NAUP	PRC1		PRC2		PRC3			MYS1		MYS2		MYS3	POST1	POST2	POST3	POST4	POST5	
310	3398	1			460		440		90		10		30		10			10				
310	3398	2			190		60		590		340		50		30			10				
310	3398	3			60		90		120		630		180		90							
310	3398	6			30		20		10		10		10									
310	3398	7									600											
310	3398	9			70																	
311	3058	3399	MF	2442	8156	1	07	30	63	12	9	3673	299	07	06	380	1	717	297	3676		5
311	3399	1			30		30		40					20		30		20	160		20	
311	3399	2			140		190		110		150		200		640			420				
311	3399	3			30		30		30		40		30		130							
311	3399	7									230											
311	3399	6			20		20		30		40			20								
311	4060	3401	MF	2452	8201	1	07	30	63	14	9	3664	300	06	07	640	1	360	295	3664		6
311	3401	1			160		300		10		130		150		320		600		150		10	
311	3401	2			340		310		420		660		680		750							
311	3401	3			10		10		30		30		60		100							
311	3401	6									10			10								
311	3401	7									490											
311	3401	9			130																	
311	4060	3402	MF	2452	8201	1	07	30	63	15	9	3664	300	06	07	640	1	449	295	3664		6
311	3402	1			130		70		30		80		140		190		470		170			
311	3402	2			220		220		420		600		490		360							
311	3402	3			20		10		40		100		80		100							
311	3402	6										10		10								
311	3402	7									360											
311	3402	9			120																	
311	4080	3405	MF	2446	8222	1	07	30	63	19	9	3645	302	08	12	780	1	458	300	3660		5
311	3405	1			50		30		240		50		20		30							
311	3405	2			80		40		80		220		250		600							
311	3405	3									10											
311	3405	7									80											
311	3405	9			140																	
311	4080	3406	MF	2446	8222	1	07	30	63	20	9	3645	302	08		780	1	302	300	3660		5
311	3406	1			80		50		100		40		30		30			20				
311	3406	2			40		70		100		230		480		860							
311	3406	3										30		90								
311	3406	7									110											
311	3406	9			60																	
311	4090	3407	MF	2443	8233	1	07	30	63	22	9	3618	300	09	12	900	1	310	296	3633		4
311	3407	1			190		210		30													
311	3407	2			30				10		20		80		70							
311	3407	3			10		10				10											
311	3407	9			350																	
311	5100	3409	MF	2450	8246	1	07	31	63	10	9	3624	296	09	10	1230	1	490	295	3651		5
311	3409	1			20		10		20									10				
311	3409	3							20		50		20		30							
311	3409	6									20											
311	3409	9			30																	

CRU	STA	TOW	SH	LAT	LONG	NW	MC	DA	YR	HR	N	SSAL	STE	WD	WS	WDEP	S	FLMV	BTE	BSAL	BS	P
311	5100	3410	MF	2450	8246	1	07	31	63	10	9	3624	296	09	10	1230	1	490	295	3651		5
CRU		G	E	NAUP	PRC1		PRC2		PRC3			MYS1		MYS2		MYS3	POST1	POST2	POST3	POST4	POST5	
311	3410	1			360		170		60				20		10							
311	3410	2			30						10		20		10							
311	3410	3			20		80		100		20		40		50							
311	3410	6									20											
311	3410	9			250																	
311	5090	3411	MF	2453	8236	1	07	31	63	12	9	3644	300</									

CRU	STA	TOW	SH	LAT	LONG	NW	MC	CA	YR	HR	N	SSAL	STE	WD	WS	WDEP	S	FLMV	BTE	BSAL	BS	P	
311	4070	3421	MF	2449	8212	1	08	CL	63	05	9	3683	301	05	10	750	1	627	300	3683	4		
CRU	G	E		NALP	PRC1		PRO2		PRO3			MYS1	MYS2		MYS3		POST1	POST2	POST3	POST4	POST5		
311	3421	1			10				20			10	10		30		130	180	90				
311	3421	2										110	160		220					390			
311	3421	3										20	50							90			
311	3421	9		10																			
311	4070	3422	MF	2449	8212	1	08	CL	63	05	9	3683	301	05	10	750	1	230	300	3683	4		
311	3422	1			50							10			10		70	60	30				
311	3422	2										100	210		210				400				
311	3422	3										10							20				
311	3422	9		10																			
311	4070	3423	MF	2449	8212	1	08	CL	63	09	9	3688	303	10	10	750	1	836	302	3685	4		
311	3423	1			60				10	10		20		80		110	20	30					
311	3423	2							10			110	150		600								
311	3423	3																					
311	3423	9		20																			
311	4070	3425	MF	2449	8212	1	08	CL	63	13	9	3681	303	09	08	750	1	266	297	3676	5		
311	3425	1			250				170	10													
311	3425	2			130				30	10		160		160									
311	3425	3							20														
311	3425	7										50		60									
311	3425	9		150								10											
311	4070	3426	MF	2449	8212	1	08	01	63	13	9	3681	303	09		750	1	651	297	3676	5		
311	3426	1			250				130			10		10		20		190	130				
311	3426	2			60				50	20													
311	3426	3							10	10		410		230									
311	3426	7										10		20									
311	3426	9		150								70											
311	4070	3427	MF	2449	8212	1	08	01	63	17	9	3679	303	09	08	750	1	599	298	3683	5		
311	3427	1			740				280			10		20		20		190	40	20			
311	3427	2			60				20	10		240		250									
311	3427	3										10											
311	3427	7										20											
311	3427	9		280																			
311	4070	3428	MF	2449	8219	1	08	01	63	17	9	3679	303	09	08	750	1	275	298	3683	4		
311	3428	1			100				50	30		40		20		20		60	20	20			
311	3428	2							10	10		180		330									
311	3428	3										70											
311	3428	9		100								70		70									
311	3270	3429	MF	2441	8209	1	08	01	63	19	9	3681	300	09	05	550	1	229	298	3695	6		
311	3429	1			60				50	90		20		10					10				
311	3429	2			240				280	240		40		30		30			20				
311	3429	3			10				10	60		20		10									
311	3429	6										30											
311	3429	7										90											
311	3429	9		10								70											
313	3433	1			70				50														
313	3433	2			250				440	230		170		20									
313	3433	3			70				150	160		20											
313	3433	6							20	20													
313	3433	7										90											
313	4070	3434	MF	2449	8212	1	08	13	63	17	9	3687	313	27	04	750	1	284	301	3683	5		
313	3434	1			70				40														
313	3434	2							10	10		60		60									
313	3434	3								20	10												
313	3434	7										50											
313	3434	9		60																			
313	4070	3435	MF	2449	8212	1	08	13	63	18	9	3687	313	27	04	750	1	481	301	3683	5		
313	3435	1			40				10														
313	3435	2			30				20	10	</td												

CRU	STA	TOW	SH	LAT	LONG	NW	MC	DA	YR	HR	N	SSAL	STE	WD	WS	WDEP	S	FLMV	BTE	BSAL	BS	P				
313	5090	3443	MF	2453	8236	1	08	14	63	12	9	3637	306	25	05	1050	1	150	292	3638	4					
CRU	G	E	NAUP		PRC1		PRC2		PRC3		MYS1		MYS2		MYS3		POST1		POST2		POST3		POST4		POST5	
313	3443	1			60		10		30		10				10											
313	3443	2														10										
313	3443	3									40		30		40		30		10							
313	3443	5		130																						
313	5080	3445	MF	2456	8225	1	08	14	63	14	9	3666	310	27	05	950	1	170	297	3656		4				
313	3445	1			20		30		30																	
313	3445	2			10		30																			
313	3445	3									20		20		10											
313	3445	5		190													100									
313	5070	3446	MF	2458	8215	1	08	14	63	16	9	3682	312	27	5	0830	1	0197	299	3672		5				
313	3446	1			120		60		20																	
313	3446	2			340		260		50		130						20									
313	3446	3			30		30		20		10															
313	3446	7															100									
313	3446	9		90																						
313	5070	3447	MF	2458	8215	1	08	14	63	17	9	3682	312	27	05	830	1	304	299	3672		6				
313	3447	1			100		20																			
313	3447	2			410		150		100		20						40		40							
313	3447	3			10		20				10															
313	3447	6			10		10		40								10		10							
313	3447	7															100									
313	3447	9		20																						
313	3270	3449	MF	2441	8209	1	08	14	63	20	9	3671	307	34	08	540	1	181	305	3671		5				
313	3449	1			10																					
313	3449	2			30		30		20		140						10		10							
313	3449	3			10		10				10															
313	3449	7									50															
313	3449	9		10																						
314	3058	3451	MF	2442	8156	1	08	27	63	13	9	3693	317	99	02	380	1	701	308	3685		3				
314	3451	2			90		140		170																	
314	3451	3			20		40		20		90						80		10							
314	3451	6			70		10																			
314	4060	3452	MF	2452	8201	1	08	27	63	15	9	3683	313	6	4	0650	1	0481	304	3676		5				
314	3452	1			20		50				160						20		70							
314	3452	2			50		50		40								10		10							
314	3452	3															30		20							
314	3452	7															10									
314	3452	9		10																						
314	4060	3453	MF	2452	8201	1	08	27	63	15	9	3683	313	06	04	650	1	423	304	3676		5				
314	3453	1			130		50		50								10									
314	3453	2			70		20		20		120						100		80							
314	3453	3			20		20				30						20		10							
314	3453	7															10									
314	3453	9		100																						

CRU	STA	TOW	SH	LAT	LONG	NW	MC	DA	YR	HR	N	SSAL	STE	WD	WS	WDEP	S	FLMV	BTE	BSAL	BS	P			
314	4070	3455	MF	2449	8212	1	08	27	63	18	9	3684	316	02	06	770	1	395	305	3692	5				
CRU	G	E	NALP		PRC1		PRC2		PRC3		MYS1		MYS2		MYS3		POST1		POST2		POST3		POST4		POST5
314	3455	1			490		790		750		160		70		100										
314	3455	2			2330		600		910		730		210		210										
314	3455	3			50		40		80		70		10		20										
314	3455	7		710							560														
314	4080	3456	MF	2446	8222	1	08	27	63	20	9	3661	307	36	08	800</td									

CRU	STA	TOW	SH	LAT	LONG	NW	MC	CA	YR	HR	N	SSAL	STE	WD	WS	WDEP	S	FLMV	BTE	BSAL	BS	P
314	3270	3469	MF	2441	8209	1	C8	28	63	20	9	3670	311	99	01	560	1	286	307	3677	5	
CRU	G	E	NA LP	PRC1	PRC2	PRC3						MYS1	MYS2	MYS3	POST1	POST2	POST3	POST4	POST5			
314	3469	1			130		20		30			20										
314	3469	2			190		150		190			50										
314	3469	3			30		20		40			70		40								
314	3469	7										100										
314	3469	9			50																	
315	3058	3470	MF	2442	8156	1	C9	10	63	10	9	3679	311	35	08	370	1	769	310	3682	3	
315	3470	1																20	60			
315	3470	2								20												
315	3470	3			30		10		10													
315	4060	3472	MF	2452	8201	1	09	10	63	13	9	3683	315	02	06	650	1	592	306	3670	6	
315	3472	1			250		180		70			10		20	40	120		20				
315	3472	2			680		630		1010			530		440	230							
315	3472	3			120		50		80			20		30	20							
315	3472	6			10		10		10													
315	3472	7										1420										
315	3472	9			20																	
315	4070	3474	MF	2449	8212	1	09	10	63	16	9	3685	312	02	12	770	1	443	305	3687	5	
315	3474	1			240		510		420			90		20	20	60		10				
315	3474	2			120		450		1200			450		250	290							
315	3474	3			440		1070		730			310		30	40							
315	3474	7										1040										
315	3474	9			330																	
315	4080	3476	MF	2446	8222	1	C9	10	63	19	9	3648	307	45	00	770	1	490	302	3659	5	
315	3476	1			250		180		120			50		10	10	10						
315	3476	2			370		130		280			160		150	220							
315	3476	3			200		230		130			80		40	50							
315	3476	7										330										
315	3476	9			40																	
315	4090	3478	MF	2443	8233	1	09	10	63	22	9	3639	305	45	06	870	1	417	302	3642	6	
315	3478	1			350		90		80			200		10	10	10		10				
315	3478	2			160		80		110			490		270	320			80				
315	3478	3			120		210		50			50		10	20							
315	3478	6			30				10													
315	3478	7										210										
315	3478	9			80																	
315	5100	3480	MF	2450	8246	1	09	11	63	10	9	3596	301	99	01	1230	1	1008	288	3648	6	
315	3480	1			830		180		290			80						10				
315	3480	2			10																	
315	3480	3			170		90		70			60										
315	3480	6										10										
315	3480	7			260																	
315	5090	3482	MF	2453	8236	1	C9	11	63	12	9	3649	303	05	05	1070	1	575	292	3642	6	
315	3482	1			400		100		140			80		20	10	10		30				
315	3482	2			120		50		20					30								
315	3482	3			480		450		80			120		100	100							
315	3482	6			10																	
315	3482	7										10										
315	3482	9			160																	

CRU	STA	TOW	SH	LAT	LONG	NW	MC	CA	YR	HR	N	SSAL	STE	WD	WS	WDEP	S	FLMV	BTE	BSAL	BS	P
315	5080	3484	MF	2456	8225	1	09	11	63	15	9	3673	308	03	04	960	1	505	304	3668	6	
CRU	G	E	NA LP	PRC1	PRC2	PRC3						MYS1	MYS2	MYS3	POST1	POST2	POST3	POST4	POST5			
315	3484	1			280		290		70			40		50	40	20						
315	3484	2			280		70		190			40										
315	3484	3			70		150		80			200		40	20							
315	3484	6			10							20										
315	3484	7										90										
315	3484	9			230																	
315	5070	3486	MF	2458	8215	1	09	11	63	17	9	3697	308	99	02							

CRU	STA	TOW	SH	LAT	LONG	NW	MC	DA	YR	HR	N	SSAL	STE	WD	WS	WDEP	S	FLMV	BTE	BSAL	BS	P
316	5100	3500	MF	2450	8246	1	IC	C2	63	09	9	3576	289	08	15	1200	1	887	286		6	
CRU		G	E	NAUP	PRC1		PRC2		PRC3			MYS1		MYS2		MYS3	POST1	POST2	POST3	POST4	POST5	
316	3500	1			1420							20		20		200		70				
316	3500	2			160							50		20		30		120		10		
316	3500	3			440							120		100		350		20				
316	3500	6										20				50						
316	3500	7										30										
316	3500	9			480																	
316	5090	3502	MF	2453	8236	1	IC	C2	63	12	9	3593	291	08	08	1030	1	837	290	3592	6	
316	3502	1			230							740		350		400		180		290	10	
316	3502	2			290							470		540		320		290		200		
316	3502	3			160							620		730		400		250		60		
316	3502	6										20		50		10		10				
316	3502	7										460										
316	3502	9			280																	
316	5080	3504	MF	2456	8225	1	IC	C2	63	15	9	3602	297	08	06	930	1	927	293	3602	6	
316	3504	1			1610							1870		910		330		170		280	180	
316	3504	2			2830							4810		2830		2440		1550		1430		
316	3504	3										600		1460		680		560		570	10	
316	3504	6													20							
316	3504	7										1720,										
316	3504	9			1510																	
316	5070	3506	MF	2453	8215	1	IC	C2	63	17	9	3623	294	07	06	780	1	594	290	3620	6	
316	3506	1			350							290		220		40		90		50	70	
316	3506	2			460							770		330		210		170		550		
316	3506	3			30							100		110		40		50		60		
316	3506	6										20		10								
316	3506	7										60										
316	3506	9			210																	
316	3270	3508	MF	2441	8209	1	IC	C2	63	21	9	3568	286	08	12	480	1	462	287	3568	6	
316	3508	1										10										
316	3508	2			60							20		10		10		20		120		
316	3508	3										40		20		10				80		
316	3508	9			10																	
317	3508	3511	MF	2442	8156	1	IC	C15	63	12	9	3634	265	07	18	400	1	1138	265	3632	2	
317	3511	1										10										
317	3511	2										20		60		20		40		10		
317	4060	3513	MF	2452	8201	1	IC	C15	63	14	9	3642	268	07	18	660	1	216	268	3641	4	
317	3513	1			10																	
317	3513	2			330							180		140		110		90		120		
317	3513	3			60							80		10		10						
317	3513	7										110										
317	4070	3515	MF	2449	8212	1	IC	C15	63	17	9	3639	270	07	20	750	1	822	270	3638	5	
317	3515	1										140							10	10		
317	3515	2			140							150		230		20		120		100		
317	3515	3										10				10				90		
317	3515	7										90										
317	3515	9			20																	

CRU	STA	TOW	SH	LAT	LONG	NW	MC	DA	YR	HR	N	SSAL	STE	WD	WS	WDEP	S	FLMV	BTE	BSAL	BS	P
317	4080	3516	MF	2446	8222	1	IC	C15	63	18	9	3630	268	07	18	800	1	690	268	3628	2	
CRU		G	E	NAUP	PRC1		PRC2		PRC3			MYS1		MYS2		MYS3	POST1	POST2	POST3	POST4	POST5	
317	3516	2			10							30		40		10		10		50		
317	3516	3										20		160		160		20				
317	4080	3517	MF	2446	8222	1	IC	C15	63	19	9	3630	268	07	18	800	1	756	268	3628	4	
317	3																					



CRU	STA	TOW	SH	LAT	LONG	NW	MC	CA	YR	HR	N	SSAL	STE	WD	WS	WDEP	S	FLMV	BTE	BSAL	BS	P		
401	5100	3560	MF	2450	8246	1	02	18	64	11	9	3651	201	18	17	1250	1	1573	194	3650	5			
CRU		G E	NAUP		PRC1		PRC2		PRC3			MYS1		MYS2		MYS3		POST1	POST2	POST3	POST4	POST5		
401	3560	1				10																		
401	3560	2				40																		
401	3560	3				170																		
401	3560	6				10																		
401	3560	9				360																		
401	5090	3562	MF	2453	8236	1	02	18	64	14	9	3655	198	22	18	1050	1	1718	189	3653	4			
401	3562	3				120																		
401	3562	4				160																		
401	3562	6				10																		
401	3562	9				40																		
401	5080	3564	MF	2456	8225	1	02	18	64	17	9	3650	196	22	06	970	1	1785	187	3651	5			
401	3564	1				40																		
401	3564	2																						
401	3564	3				20																		
401	3564	6				10																		
401	3564	9				110																		
402	3058	3569	MF	2442	8156	1	C3	C3	64	12	9	3605	210				370	1	1720	204	3604	2		
402	3569	3																						
402	3569	7																						
402	4060	3570	MF	2452	8201	1	03	03	64	14	9	3608	212	13	08	650	1	507	197	3613	3			
402	3570	1				20																		
402	3570	3																						
402	3570	7				10																		
402	4070	3572	MF	2449	8212	1	C3	C3	64	17	9	3623	213	13	10	770	1	710	196	3634	3			
402	3572	1				20																		
402	3572	3				10																		
402	3572	9				20																		
402	4080	3574	MF	2446	8222	1	03	C3	64	19	9	3629	208	11	12	770	1	795	195	3629	5			
402	3574	1				170																		
402	3574	2				130																		
402	3574	3				70																		
402	3574	7																						
402	3574	9				260																		
402	4090	3576	MF	2443	8233	1	03	03	64	21	9	3636	206				14	900	1	768	193	3636	4	
402	3576	1				30																		
402	3576	2				270																		
402	3576	3				40																		
402	3576	9				300																		

CRU	STA	TOW	SH	LAT	LONG	NW	MC	CA	YR	HR	N	SSAL	STE	WD	WS	WDEP	S	FLMV	BTE	BSAL	BS	P		
402	5100	3578	MF	2450	8246	1	03	C4	64	09	9	3648	207	12	12	1260	1	1703	194	3648	5			
CRU	G E	NAUP		PRC1		PRC2		PRC3				MYS1		MYS2		MYS3		POST1	POST2	POST3	POST4	POST5		
402	3578	1				10																		
402	3578	2				150																		
402	3578	3				50																		
402	3578	6																						
402	3578	9				30																		
402	5090	3580	MF	2453	8236	1	03	C4	64	11	9	3655	209	15	10	1080	1	813	192	3652	318	5		
402	3580	2				70																		
402	3580	1				10																		
402	3580	3				10																		
402	3580	6																						
402	3580	9				30																		
402	5080	3582	MF	2456	8225	1	03	C4	64	14	9	3649	212				10	950	1	986	191	3649	320	2
402	3582	1				20																		
402	3582	9				20																		
402	5070	3584	MF	2458	8215	1	03	C4	64	16	9	3645	208	13	14	900	1	936	190	3645	318	1		
402	3584	9				20																		
402	3270	3586	MF	2441	8209	1	03	C4	64	21	9	3620					13	14	520	1	692	334	6	

CRU	STA	TOW	SH	LAT	LONG	NW	MC	DA	YR	HR	N	SSAL	STE	WD	WS	WDEP	S	FLMV	BTE	BSAL	BS	P				
403	4080	3595	MF	2446	8222	1	03	17	64	20	9	3653	238	12	770	1	637	228			4					
CRU		G E	NAUP		PRC1		PRC2		PR03		MYS1		MYS2		MYS3		POST1		POST2		POST3		POST4		POST5	
403	3595	1			450		180		50																	
403	3595	2			1750		850		30																	
403	3595	3			230		160		30		10															
403	3595	5			270																					
403	4090	3597	MF	2443	8233	1	03	17	64	22	9	3640	232	14	880	1	852	214	3654						4	
403	3597	1			10						10															
403	3597	2			10						10															
403	3597	3			30		20				10															
403	3597	5			10																					
403	5100	3599	MF	2450	8246	1	03	18	64	09	9	3648	230	15	1250	1	580	195	3662						5	
403	3599	1			430		540		110		30															
403	3599	2			2610		1650		690		50															
403	3599	3			480		480		230		50															
403	3599	7									50															
403	3599	9			1480																					
403	5090	3601	MF	2453	8236	1	03	18	64	12	9	3649	231	15	14	1110	1	755	195	3664					4	
403	3601	1			380		240		10		20															
403	3601	2			1760		260		230																	
403	3601	3			560		420		120		110		30													
403	3601	9			2330																					
403	5080	3603	MF	2456	8225	1	03	18	64	15	9	3647	234	14	980	1	618	197	3650					6		
403	3603	1			1240		500		150		30															
403	3603	2			4250		1460		90																	
403	3603	3			1000		660		30		60															
403	3603	6					30		20		10															
403	3603	7									30															
403	3603	9			600																					
403	5070	3605	MF	2458	8215	1	03	18	64	17	9	3650	236	04	10	840	1	596	201	3577					5	
403	3605	1			510		270		190		10															
403	3605	2			1040		1320		220																	
403	3605	3			180		230		20																	
403	3605	7									60															
403	3605	9			960																					
403	3270	3606	MF	2441	8209	1	03	18	64	20	9	3648		04	12	520	1	560							4	
403	3606	1			230		300		30		20															
403	3606	2			750		1240		80		20															
403	3606	3			50		150		80		50															
403	3606	6			410																					
404	3058	3609	MF	2442	8156	1	04	C1	64	12	9	3651		01	14	370	1	1309							3	
404	3609	1			10		40				20															
404	3609	2			10																					
404	3609	3									10															

CRU	STA	TOW	SH	LAT	LONG	NW	MC	DA	YR	HR	N	SSAL	STE	WD	WS	WDEP	S	FLMV	BTE	BSAL	BS	P			
404	4060	3610	MF	2452	8201	1	04	C1	64	14	9	3656	229	01	12	650	1	762	228	3649		5			
CRU		G E	NAUP		PRC1		PRC2		PRC3		MYS1		MYS2		MYS3		POST1		POST2		POST3		POST4		POST5
404	3610	1			160		640		940		670		210		170		330		130		50				
404	3610	2			160		540		1420		2220		1180		600										
404	3610	3			10		50		190		290		80		100		20								
404	3610	7									2340														
404	3610	9			30																				
404	4070	3612	MF	2449	8212	1	04	C1	64	17	9	3656	228	03	10	760	1	787	227	3655		6			
40																									



CRU	STA	TOW	SH	LAT	LONG	NW	MC	CA	YR	HR	N	SSAL	STE	WD	WS	WDEP	S	FLMV	BTE	BSAL	BS	P
406	4070	3652	MF	2449	8212	1	04	28	64	17	9	3673	263	15	8	0750	1	0286	248	3664	238	6
CRU	G	E	NAUP	PRC1	PRC2		PRO2	PRO3			MYS1	MYS2	MYS3	POST1	POST2	POST3	POST4	POST5				
406	3652	1			290		150		30													
406	3652	2			1190		440		170		190		80		140							
406	3652	3			180		30		20		10		20		10							
406	3652	7									280											
406	3652	9			590																	
406	3652	6					10															
406	4070	3653	MF	2449	8212	1	04	28	64	18	9	3674	263	15	08	750	1	253	248	3664	184	5
406	3653	1			200		20		20													
406	3653	2			1150		510		80		160		30		150							
406	3653	3			150		50		40		20				10							
406	3653	7									190											
406	3653	9			580																	
406	4080	3654	MF	2446	8222	1	04	28	64	20	9	3659	264		10	770	1	126	254	3669	166	6
406	3654	1			60						10											
406	3654	2			70		120		160		10		50		90		270					
406	3654	3			30		10		30		10				10							
406	3654	6									10											
406	3654	7									120											
406	3654	9			330																	
406	4090	3657	MF	2443	8233	1	04	28	64	23	9	3644	260		17	880	1	336	256	3650	144	6
406	3657	1			80		30		10													
406	3657	2			310		170		70						50		10		30		10	
406	3657	3									10											
406	3657	6									10											
406	3657	7									10											
406	3657	9			210																	
406	5100	3659	MF	2450	8246	1	04	29	64	11	9	3647	260			1250	1	369	237	3644	212	5
406	3659	1			20		50				10		10		10							
406	3659	2			290		70		90		170		30									
406	3659	3			50						40											
406	3659	7									120											
406	3659	9			100																	
406	5090	3660	MF	2453	8236	1	04	29	64	13	9	3649	265	14	13	1050	1	252	248	3666	254	6
406	3660	1			10		20		10						20							
406	3660	2			50		60		60						120		10					
406	3660	3					10		50		10		30		10							
406	3660	6									20		10		10							
406	3660	7									110											
406	3660	9			150																	
406	3663	1			40		20															
406	3663	2					10		10		10											
406	3663	3									10											
406	5070	3665	MF	2458	8215	1	04	29	64	18	9	3664	265	24	06	770	1	315	242	3664	212	3
406	3665	1			50																	
406	3665	2													10							
406	3665	3													10							

CRU	STA	TOW	SH	LAT	LONG	NW	MC	CA	YR	HR	N	SSAL	STE	WD	WS	WDEP	S	FLMV	BTE	BSAL	BS	P
406	3270	3667	MF	2441	82C9	1	04	29	64	22	9	3720		24	05	430	1	668			204	2
CRU	G	E	NAUP	PRC1	PRC2		PRC2	PRO3			MYS1	MYS2	MYS3	POST1	POST2	POST3	POST4	POST5				
406	3667	1																				
406	3667	2																				
407	3058	3669	MF	2442	8156	1	C5	12	64	11	9	3691	275	08	10	410	1	1125	272	3691	184	2</

CRU	STA	TOW	SH	LAT	LONG	NW	MC	DA	YR	HR	N	SSAL	STE	WC	WS	WDEP	S	FLMV	BTE	BSAL	BS	P
407	5080	3682	MF	2456	8225	1	05	13	64	14	9	3662	269		14	950	1	513	297	3660	256	4
CRU	STA	G	E	NAUP		PRC1	PRC2	PRC3				MYS1	MYS2	MYS3	POST1	POST2	POST3	POST4	POST5			
407	3682	1				130		60		20						10						
407	3682	2										10		30		30						
407	3682	3										20		10		10						
407	3682	4				140																
407	5070	3684	MF	2458	8215	1	05	13	64	16	9	3675	268	21	08	820	1	680	259	3668	232	4
407	3684	1										10				10						
407	3684	2										10				10						
407	3684	3										10		10		40						
407	3684	4				100																
407	3270	3687	MF	2441	8209	1	05	13	64	20	9	3683	277			530	1	378	273	3697	230	5
407	3687	1										10		20		30						
407	3687	2										20		70		50						
407	3687	3										20				10						
407	3687	4										60										
407	3687	5				60																
408	3058	3689	MF	2442	8156	1	05	26	64	12	9	3694	280		08	400	1	1034	277	3690	186	3
408	3689	1														10						
408	3689	2														10						
408	3689	3				10																
408	3689	4																				
408	3689	5				10																
408	3690	2										10				10						
408	3690	3										10										
408	3690	4				10																
408	3692	1										120		90		50		30		100		
408	3692	2										250		170		100		150		130		
408	3692	3										60		20		20						
408	3692	4										20				10		10				
408	3692	5										90										
408	3692	6				50																
408	3694	1										40		10		40		20		10		
408	3694	2										160		140		240		30		290		
408	3694	3										20		40		10		10				
408	3694	4										10		10		10						
408	3694	5										90										
408	3694	6				20																
408	3694	7										90										
408	3694	8				20																
408	3695	1										10		60		50		2377				
408	3695	2										170		350		290		100		300		
408	3695	3										40		80		60		30				
408	3695	4										300										
408	3695	5				190																

CRU	STA	TOW	SH	LAT	LONG	NW	MC	CA	YR	HR	N	SSAL	STE	WC	WS	WDEP	S	FLMV	BTE	BSAL	BS	P
408	4090	3696	MF	2443	8233	1	05	26	64	21	9	3661	271	11	14	920	1	706	270	3655	268	5
CRU	STA	G	E	NALP		PRC1	PRC2	PRC3				MYS1	MYS2	MYS3	POST1	POST2	POST3	POST4	POST5			
408	3696	1				10																
408	3696	2										120		30		20						
408	3696	3										20		70								
408	3696	4										30										
408	3696	5				180																
408	5100	3698	MF	2450	8246	1	05	27	64	10	9	3679	275	13	09	1240	1	529	253	3654	170	6
408	3698	1										250		50								
408	3698	2										30		40		40		30				
408	3698	3										100		70		50		40				
408	3698	4										20		10		20		20				
408	3698	5										90										
408	5090	3700	MF	2453	8236	1	05	27	64	13	9	3684	277	13	08	1070	1	581	266	3664	200	5
408	3700	1										250		230		70		30		10		
408	3700	2										130		40		10		40				
408	3700	3										70		150		150		80		70		



CRU	STA	TOW	SH	LAT	LONG	NW	MC	DA	YR	HR	N	SSAL	STE	WD	WS	WDEP	S	FLMV	BTE	BSAL	BS	P
410	5070	3744	MF	2458	8215	1	C6	24	64	17	9	3650	283	14	14	840	1	565	278	3654	262	6
CRU	G E	NALP			PRC1	PRC2	PRC3				MYS1	MYS2	MYS3		POST1	POST2	POST3	POST4	POST5			
410	3744	1			640	500	200				10		20		70	50	10					
410	3744	2			400	590	540				70		30		10							
410	3744	3			40	70	120				140				10							
410	3744	6				50								10								
410	3744	7									250											
410	3744	9		260																		
410	3270	3746	MF	2441	8209	1	06	24	64	20	9	3669	286	11	15	500	1	729	286	3669	278	6
410	3746	1			80	40	190				50		110		180	170	50	30				
410	3746	2			20	30	110				340		420		360	1610						
410	3746	3				30	60				140		100		80	130						
410	3746	6				10					10		40									
410	3746	7									190											
410	3746	9		20																		
411	4090	3748	MF	2443	8233	1	07	07	64	11	9	3659	301		06	920	1	915	274	3650	326	5
411	3748	1			760	840	290				70		40		10	10						
411	3748	2			960	470	320				40											
411	3748	3			870	680	760				380		40		30							
411	3748	7									50											
411	3748	9		440																		
411	5100	3750	MF	2450	8246	1	C7	C7	64	15	9	3663	298	02	08	1220	1	1130	239	3640	306	6
411	3750	1			1940	410	220				10		10		50	10						
411	3750	2			380	190	50				80		40									
411	3750	3			320	510	230				120											
411	3750	6				10					60											
411	3750	7									60											
411	3750	9		1240																		
411	5090	3752	MF	2453	8236	1	C7	C7	64	17	9	3661	298	03	06	1070	1	964	255	3643	326	5
411	3752	1			1880	2220	960				20		10		20	40						
411	3752	2			2200	1780	2000				150		20									
411	3752	3			1710	1460	750				500		10		20							
411	3752	7									460											
411	3752	9		1040																		
411	5080	3754	MF	2456	8225	1	07	C7	64	19	9	3661	298	29	04	950	1	805	275	3650	326	5
411	3754	1			760	320	140				30		20		10	40						
411	3754	2			720	270	220				260		310		30							
411	3754	3			70	50	170				50		20									
411	3754	7									240											
411	3754	9		510																		
411	5070	3756	MF	2458	8215	1	C7	C7	64	22	9	3659	298	35	06	780	1	663	293	3661	328	6
411	3756	1			200	60	40				10		40		20	10						
411	3756	2			210	60	70				290		70		30	50						
411	3756	3			50	90	50				220		30		50							
411	3756	6			50	30	20				10											
411	3756	7									160											
411	3756	9		80																		
411	4080	3758	MF	2446	8222	1	07	C8	64	09	9	3638	294	22	04	800	1	728	291	3663	278	5
411	3758	1			1170	450	540				180		30		80	20						
411	3758	2			1130	840	670				510		70		450							
411	3758	3			570	1950	1260				680		50		170							
411	3758	7									460											
411	3758	9		360																		

CRU	STA	TOW	SH	LAT	LONG	NW	MC	DA	YR	HR	N	SSAL	STE	WD	WS	WDEP	S	FLMV	BTE	BSAL	BS	P
411	4070	3760	MF	2449	8212	1	C7	C8	64	13	9	3670	24	08	770	1	894	3669	308	5		
CRU	G E	NALP			PRC1	PRC2	PRO3				MYS1	MYS2	MYS3		POST1	POST2	POST3	POST4	POST5			
411	3760	1			230	50	50				10		10			60						
411	3760	2			70	30	20				200		210			160						
411	3760	3			30	50	40				130		70		110							
4																						

CRU	STA	TOW	SH	LAT	LONG	NW	MC	CA	YR	HR	N	SSAL	STE	WD	WS	WDEP	S	FLMV	BTE	BSAL	BS	P
412	4080	3776	MF	2446	8222	1	07	21	64	18	9	3686	297	11	08	770	1	658	292	3676	326	6
CRU	G	E	NA LP	PRC1	PRC2	PRO3	MYS1	MYS2	MYS3	POST1	POST2	POST3	POST4	POST5								
412	3776	1			490		360	350		70	50	100	180	120	10							
412	3776	2			260		130	130	1370	530	510											
412	3776	3			160		160	130	200	50	40											
412	3776	4					20			40												
412	3776	5								370												
412	3776	6																				
412	3776	7																				
412	3776	8			120																	
412	4090	3778	MF	2443	8233	1	07	21	64	21	9	3665	291	11	10	880	1	504	286	3660	278	6
412	3778	1			60		110															
412	3778	2			200		370	550	170	180	70	30										
412	3778	3			650		1C20	840	300	170	40											
412	3778	4			30		40	20		70												
412	3778	5								130												
412	3778	6																				
412	3778	7																				
412	3778	8			200																	
412	5100	3780	MF	2450	8246	1	07	22	64	11	9	3662	288	13	10	1230	1	688	241	3641	338	6
412	3780	1			440		330	120		50	10	40										
412	3780	2			1C60		250	170		50	30											
412	3780	3			420		350	450	190		40	10										
412	3780	4			10		20		10													
412	3780	5									140											
412	3780	6																				
412	3780	7																				
412	3780	8			220																	
412	5090	3782	MF	2453	8236	1	07	22	64	13	9	3665	292	13	10	1050	1	683	265	3660	346	6
412	3782	1			990		450	380		60	40	20										
412	3782	2			150		70	60		90	30											
412	3782	3			80		90	200		430	70	50										
412	3782	4			20		80	20		40	10											
412	3782	5								60												
412	3782	6																				
412	3782	7																				
412	3782	8			250																	
412	5080	3784	MF	2456	8225	1	07	22	64	15	9	3664	298	15	05	950	1	946	273	3659	336	5
412	3784	1			230		110	20		40	20	10										
412	3784	2			210		200	90		110	10	20										
412	3784	3			30		60	40		110		30										
412	3784	4								10												
412	3784	5			400																	
412	5070	3786	MF	2458	8215	1	07	22	64	17	9	3671	295	13	06	800	1	517	289	3662	322	6
412	3786	1			180		60	20		30	20	20										
412	3786	2			300		70	30		20	50	10										
412	3786	3			100		20	20		30	10	50										
412	3786	4			10						10	20										
412	3786	5																				
412	3786	6																				
412	3786	7																				
412	3786	8			40																	
413	4060	3788	MF	2452	8201	1	08	C4	64	8	9	3699	301	6	6	0660	1	0832	301	3697	308	6
413	3788	1			130		50	20		10	50	60										
413	3788	2			200		70	100		150	70	40										
413	3788	3			20		70	30		60	20											
413	3788	4			20					100												
413	3788	5			100																	
413	3788	6																				
413	3788	7																				
413	3788	8			100																	
413	3058	3790	MF	2442	8156	1	08	C4	64	11	9	3715	306	99		0380	1	0872	301	3714	264	3
413	3790	1																				

CRU	STA	TOW	SH	LAT	LONG	NW	MC	CA	YR	HR	N	SSAL	STE	WD	WS	WDEP	S	FLMV	BTE	BSAL	BS	P
414	3807	MF	2442	8156	1	08	18	64	11	9	3730	303	8	6	0380	I	II26	300	3727	276	6	
CRU	G E	NAUP	PRC1	PRC2	PRO3	MYS1	MYS2	MYS3	POST1	POST2	POST3	POST4	POST5									
414	3807	1		270	1000	710	120		30	40	90											
414	3807	2		250	770	710	340		70	70												
414	3807	3		60	300	620	1020		110	130												
414	3807	6		40	20	10																
414	3807	7					450															
414	3807	9	50																			
414	3058	3808	MF	2442	8156	1	08	18	64	12	9	3730	303	8	6	0380	I	II43	300	3727	268	6
414	3808	1		120	580	490	70		50	50	30	30										
414	3808	2		190	250	370	150		100	90	10											
414	3808	3		90	280	260	270		440	200												
414	3808	6			30																	
414	3808	7					280															
414	3808	9	50																			
414	4060	3810	MF	2452	8201	1	08	18	64	15	9	3677	315	12	8	0640	I	0700	308	3667	274	6
414	3810	1			400	240	190	20														
414	3810	2			300	650	250		190	20	60											
414	3810	3			20	10					10											
414	3810	7																				
414	3810	9	270																			
414	4080	3811	MF	2446	8222	1	08	18	64	19	9	3682	311	10	8	0800	I	0712	239	3641	5	
414	3811	1			100	10																
414	3811	2			1150	150	80															
414	3811	3			460	480	580		330	110	20											
414	3811	6			70	10	10															
414	3811	9	120																			
414	4080	3812	MF	2446	8222	1	08	18	64	19	9	3682	311	10	8	0800	I	0722	239	3641	306	6
414	3812	1			100	20															10	
414	3812	2			1410	290	100															
414	3812	3			330	370	690		220	60	20											
414	3812	6			10	10	10															
414	3812	7																				
414	3812	9	210																			
414	4080	3813	MF	2446	8222	1	08	18	64	23	9	3682	311	10	8	0800	I	0714	239	3641	286	5
414	3813	1			110	10	30														10	
414	3813	2			380	60	10															
414	3813	3			80	140	180		80	20	30											
414	3813	6			50	10	30															
414	3813	9	90																			
414	4080	3814	MF	2446	8222	1	08	18	64	23	9	3682	311	10	8	0800	I	0684	239	3641	304	5
414	3814	1			350	10	10														10	
414	3814	2			1120	100	60															
414	3814	3			300	420	580		250	60	30											
414	3814	6			60	20	20															
414	3814	9	170																			
414	4080	3815	MF	2446	8222	1	08	19	64	3	9					0800	I	0667			342	5
414	3815	1			40																	
414	3815	2			260	50	40															
414	3815	3			140	250	240		220	110	40											
414	3815	6			40	20	10															
414	3815	9	100																			
CRU	STA	TOW	SH	LAT	LONG	NW	MC	CA	YR	HR	N	SSAL	STE	WD	WS	WDEP	S	FLMV	BTE	BSAL	BS	P
414	4080	3816	MF	2446	8222	1	08	19	64	3	9					0800	I	0723			286	5
CRU	G E	NAUP	PRC1	PRC2	PRO3	MYS1	MYS2	MYS3	POST1	POST2	POST3	POST4	POST5									
414	3816	1			160	20																
414	3816	2			1820	170	190															
414	3816	3			270	470	500		430	60	10											
414	3816	6			150	80																
414	3816	9	90																			
414	4080	3817	MF	2446	8222	1	08	19	64	7	9					0800	I	0666			292	5
414	3817	1																				

CRU	STA	TOW	SH	LAT	LONG	NW	MC	DA	YR	HR	N	SSAL	STE	WD	WS	WDEP	S	FLMV	BTE	BSAL	BS	P
414	4080	3824	MF	2446	8222	1	08	19	64	19	9	3666	305	29	18	0800	1	0857	246	3648	306	5
CRU		G	E	NAUP	PRC1	PRC2	PRO3					MYS1	MYS2	MYS3	POST1	POST2	POST3	POST4	POST5			
414	3824	1			130		10															
414	3824	2			1280		490															
414	3824	3			280		200					170		20		40						
414	3824	6			50		40					30										
414	3824	9			230																	
414	4090	3826	MF	2443	8233	1	08	19	64	23	9	3627	302	28	10	0940	1	1050	221	3638	366	4
414	3826	1			190		280															
414	3826	2			10		40															
414	3826	3					10															
414	3826	6					30															
414	5100	3828	MF	2450	8246	1	08	20	64	9	9	3658	303	18	14	1200	1	0502	194	3627	274	4
414	3828	1			30		10															
414	3828	2			30																	
414	3828	3					10															
414	3828	6					10															
414	5090	3830	MF	2453	8236	1	08	20	64	12	9	3655	306	18	7	0970	1	0811	211	3624	242	4
414	3830	1																				
414	3830	3					20															
414	3830	6			30																	
414	3830	9			20																	
414	5080	3831	MF	2456	8225	1	08	20	64	14	9	3660	307	18	6	1020	1	0847	220	3636	308	5
414	3831	1			40																	
414	3831	2					10															
414	3831	3					20															
414	3831	6																				
414	3831	9			10																	
414	3832	1			40		40															
414	3832	2					10															
414	3832	3					20															
414	3832	6					20															
414	3832	9			30																	
414	5070	3834	MF	2458	8215	1	08	20	64	20	9	3659	307	9	8	0780	1	C611	254	3657	292	5
414	3834	1																				
414	3834	2			30		10															
414	3834	3			100		350															
414	3834	6			20		20															
414	3834	9			10																	
414	4070	3835	MF	2449	8212	1	08	20	64	22	9	3676	310	1	7	0750	1	0782	290	3669	286	5
414	3835	1			20		20															
414	3835	2			250		890															
414	3835	3			120		470															
414	3835	6					290															
414	3835	9			100																	

CRU	STA	TOW	SH	LAT	LONG	NW	MC	DA	YR	HR	N	SSAL	STE	WD	WS	WDEP	S	FLMV	BTE	BSAL	BS	P
414	4070	3836	MF	2449	8212	1	08	20	64	23	9	3676	310	1	7	0750	1	0795	290	3669	318	6
CRU	G	E	NAUP	PRC1	PRC2	PRO3						MYS1	MYS2	MYS3	POST1	POST2	POST3	POST4	POST5			
414	3836	1			140		40															
414	3836	2			430		420															
414	3836	3			30		500															
414	3836	6					10															
414	3836	7										200										
414	3836	9			70																	
414	3270	3838	MF	2441	8209	1	08	21	64	10	9	3695	306	9	10	0520	1	C634	308	0371	348	5
414	3838	1			230		90															
414	3838	2			120		310															
414	3838	3			30		210															
414	3838	6					10															
414	3838	9			SC																	
415	4060	3840	MF	2452	8201	1	C9	C1	64	8	9	3673	294	11	8	0680	1	1402	257	3651	304	6
415	3840	1			30																	
415	3840	2					10	</td														

CRU	STA	TOW	SH	LAT	LONG	NW	MC	CA	YR	HR	N	SSAL	STE	WD	WS	WDEP	S	FLMV	BTE	BSAL	BS	P		
415	4090	3850	MF	2443	8233	1	09	01	64	21	9	3665	296	15	10	0930	1	0651	200	3629	246	4		
CRU	G	E	NAUP	PRC1	PRC2	PRO2	PRO3					MYS1	MYS2	MYS3			POST1	POST2	POST3	POST4	POST5			
415	3850	1			30		20		10															
415	3850	2					20																	
415	3850	3																						
415	3850	6																						
415	5100	3851	MF	2450	8246	1	09	C2	64	11	9	3637	299	13	14	10	1260	1	1169	207	3636	284	3	
415	3851	1						10																
415	3851	3																						
415	3851	6																						
415	5090	3854	MF	2453	8236	1	C9	C2	64	14	9	3668	300	13	12	20	1100	1	1320	200	3631	290	2	
415	3854	1																						
415	3854	6																						
415	5080	3856	MF	2456	8225	1	09	C2	64	17	9	3660	299	14	8	10	0980	1	0876	200	3633	276	2	
415	3856	3																						
415	3856	9			10																			
415	5070	3858	MF	2458	8215	1	C9	C2	64	19	9	3658	296	9	10	10	0770	1	0924	215	3641	312	4	
415	3858	1																						
415	3858	3																						
415	3858	6																						
416	5460	3859	MF	2505	8208	1	1C	C2	64	9	9	3650			12	15	0660	1	0904				2	
416	3859	3																						
416	3859	6																						
416	6050	3860	MF	2514	8158	1	1C	C2	64	11	9	3646			14	20	0520	1	1041	10	20	328	4	
416	3860	1																						
416	3860	2																						
416	3860	3																						
416	3860	6																						
416	6040	3861	MF	2517	8148	1	1C	C2	64	13	9	3683			14	20	0420	1	1029				304	2
416	3861	1																						
416	3861	2																						

CRU	STA	TOW	SH	LAT	LONG	NW	MC	CA	YR	HR	N	SSAL	STE	WD	WS	WDEP	S	FLMV	BTE	BSAL	BS	P	
416	6030	3862	MF	2520	8138	1	1C	C2	64	14	9	3717			3	0300	1	0506			300	1	
CRU	G	E	NALP	PRC1	PRC2	PRO2	PRO3					MYS1	MYS2	MYS3			POST1	POST2	POST3	POST4	PCSTS		
416	3862	2																					
416	6020	3863	MF	2523	8127	1	1C	C2	64	15	9	3725			14	20	0190	1	0529			240	2
416	3863	2																					
416	3863	3																					
416	5020	3864	MF	2514	8124	1	1C	C2	64	16	9	3786			14	20	0150	1	0719			244	0
416	5030	3865	MF	2511	8134	1	1C	C2	64	17	9	3726			14	15	0300	1	0664			240	1
416	3865	2																					
416	4030	3866	MF	2501	8131	1	1C	C2	64	20	9	3691			14	25	0220	1	0464			276	2
416	3866	2																					
416	3866	3																					
416	4020	3867	MF	2504	8120	1	1C	C2	64	23	9	3730			14	11	0140	1	0589			280	2
416	3867	2																					
416	3867	3																					
416	4020	3868	MF	2504	8120	1	1C	C2	64	23	9	3730			14	11	0140	1	0694			228	3
416	3868	1																					
416	3868	2																					
416	3868	3																					
416	3030	3869	MF	2452	8127	1	1C	C3	64	9	9	3742			14	10	0120	1	0773			212	0



